DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

GEOPHYSICAL INVESTIGATIONS
MAP GP-426

AEROMAGNETIC MAP OF THE TWIN BUTTES AREA, PIMA AND SANTA CRUZ COUNTIES, ARIZONA

By
Gordon E. Andreasen and James A. Pitkin

SCALE 1:62 500

1 ½ 0 1 2 3 4 5 MILES

1 5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVALS 20 AND 100 GAMMAS

1963

EXPLANATION

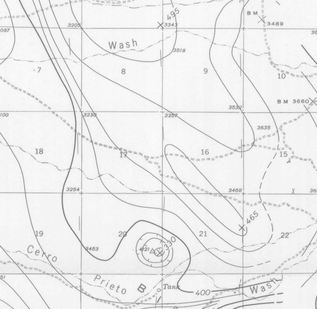
Magnetic contours showing total intensity magnetic field of the earth in gammas relative to arbitrary datum
Hachured to indicate closed areas of lower magnetic intensity; dashed where data are incomplete

× 465
Measured maximum or minimum intensity within closed high or closed low

Flight path
Showing location and spacing of data

NOTE

Aeromagnetic data are obtained and compiled along a continuous line, whereas ground magnetic surveys are made at separate points. Errors within the normal limits of any magnetic measurement may cause slight discrepancies between flight lines in an aeromagnetic map, which would be more obvious than similar discrepancies between points in a ground magnetic map. For this reason as much care should be exercised in evaluating magnetic features that appear as elongations along a single aeromagnetic traverse as in interpreting an anomaly indicated by a single ground station



INDEX MAP OF ARIZONA SHOWING AEROMAGNETIC MAPS PUBLISHED BY THE U.S. GEOLOGICAL SURVEY

A—flown 500 feet above ground
B—flown 4000 feet barometric elevation
C—flown 6000 feet barometric elevation

Base from U.S. Geological Survey topographic quadrangles: San Xavier Mission, 1957; Cocoraque Butte, 1943; Palo Alto Ranch, 1940; Twin Buttes, 1957; Tubac, 1957

Aeromagnetic survey flown 1959

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1974

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